

Federal Operating Permit Number: 1500039

For: PACIFIC GAS & ELECTRIC COMPANY

Facility: Topock Compressor Station

Issued Pursuant to MDAQMD Regulation XII
Effective Date: November 17, 1999

This Federal Operating Permit Expires
on: November 17, 2004

Issued By: Charles L. Fryxell
Air Pollution Control Officer

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: PACIFIC GAS & ELECTRIC COMPANY

Owner Mailing Address: Pacific Gas & Electric Company
375 North Wiget Lane, Suite 200
Walnut Creek, CA 94598

Facility Name: Topock Compressor Station

Facility Location: I-40 and Park Moabi Road, 5 Miles East of Needles

Mailing Address: P.O. Box 337, Needles, CA 92363

MDAQMD Federal Operating Permit Number: 1500039

MDAQMD Company Number: 1500

MDAQMD Facility Number: 00039

Responsible Official: William R. Mazotti

Title: Vice President

Phone Number:

Facility "Site" Contacts: John Chesworth

Phone Number: 760-326-5516

Facility "Off Site" Contacts: Ms. Linda Gonsalves, P.E.

Phone Number: 925-974-4081

Nature of Business: Natural Gas Compressor Station

SIC Code: 4922 – Natural Gas Pipeline

Facility Location: UTM (Km) 729 N / 3846 E

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 1500039) for Pacific Gas & Electric Company (PG&E), Topock Compressor Station, located near I-40 and Park Moabi Road, 5 Miles East of Needles, California. PG&E, Topock Compressor Station is a natural gas compression/transmission pipeline facility. The facility has ten (10) 3500 bhp Natural Gas Fueled Internal Combustion (IC) Engines driving compressor #'s K1 through K10. Four (4) 490 bhp Natural Gas Fueled IC Engine Electrical Generators; Unit #'s P-1 through P-4. In addition, there is one (1) 755 bhp Diesel Fueled IC Engine Electrical Power Generator used for supplemental base loading.

Miscellaneous ancillary support equipment includes; one (1) odorization system, one (1) 1000 gallon pipeline liquids storage tank, two (2) waste oil storage/holding systems, one (1) non-retail gasoline dispensing facility, and two (2) portable abrasive blasting systems.

C. EQUIPMENT DESCRIPTION:

1. Ten (10) Natural Gas Fueled Piston Type Internal Combustion (IC) Engines Driving Natural Gas Compressors, MDAQMD Permit Number B000313, consisting of:

- a. Cooper-Bessemer model GMWTC, Serial No. 42582, rated at 3500 bhp and drives compressor K1.
- b. Cooper-Bessemer model GMWTC, Serial No. 42583, rated at 3500 bhp and drives compressor K2.
- c. Cooper-Bessemer model GMWTC, Serial No. 42584, rated at 3500 bhp and drives compressor K3.
- d. Cooper-Bessemer model GMWTC, Serial No. 42585, rated at 3500 bhp and drives compressor K4.
- e. Cooper-Bessemer model GMWTC, Serial No. 42586, rated at 3500 bhp and drives compressor K5.
- f. Cooper-Bessemer model GMWTC, Serial No. 42587, rated at 3500 bhp and drives compressor K6.
- g. Cooper-Bessemer model GMWTC, Serial No. 42536, rated at 3500 bhp and drives compressor K7.
- h. Cooper-Bessemer model GMWTC, Serial No. 43130, rated at 3500 bhp and drives compressor K8.
- i. Cooper-Bessemer model GMWTC, Serial No. 43131, rated at 3500 bhp and drives compressor K9.
- j. Cooper-Bessemer model GMWC, Serial No. 44043, rated at 3500 bhp and drives compressor K10.

2. MDAQMD Permit Number B003302; Four (4) Natural Gas Fueled Piston Type IC Engine Generators; Unit #'s P-1, P-2, P-3, P-4, consisting of:

Four Ingersol-Rand 8 cylinder IC engines which burn approximately 4241 scf/hr of natural gas at maximum fuel flow rate

<u>Capacity</u>	<u>Equipment Description</u>
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1061951 (P-1)
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1071951 (P-2)
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1081951 (P-3)
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1411953 (P-4)

1960 bhp total

3. MDAQMD Permit Number B002660; Diesel Fueled Piston Type IC Engine Generator, consisting of:

755 bhp Caterpillar Model D 348, Serial No. 36J2291, Turbocharged V-12, diesel fuel consumption of 271.8 lb/hr and maximum heat input rate of 5.451 MM Btu/hr. This engine generator is used to supplement base loaded equipment.

4. MDAQMD Permit Number N002572; Gasoline Dispensing Facility (Non-Retail), consisting of:

a. Tanks - Number of Tanks: 3

	Tank Number:	1	2	3
1.	Material Stored:	Diesel	(87)Unleaded	Diesel
2.	Volume Gallons:	1,000	2,000	2,000
3.	Aboveground (A):	A	A	A

b. Dispensing Equipment:

1.	Gasoline Dispensing Nozzles (Number):	1
2.	Diesel Dispensing Nozzles (Number):	2
3.	Phase II Vapor Recovery System (Type):	Balance

5. MDAQMD Permit Number T002944; Waste Oil Storage Tank, consisting of:

3,000 gallon cylindrical tank 8 ft high and 8 ft in diameter with a 24 inch diameter top entry manway, a 16 inch by 30 inch hinged top manway and six 4 inch flange connections (inlet, outlet, drain, overflow, vent and level switch). Serves existing oil/water separator.

6. MDAQMD Permit Number T003303; Waste Oil Storage Tank, consisting of:

Welded steel 7,100 gallon cylindrical fixed roof tank 8 ft in diameter and 20 ft high. Used for the storage of IC Engine used crankcase oil.

7. MDAQMD Permit Number A004612; Portable Abrasive Blasting System, consisting of:
Central Pneumatic portable unit, Model No. 40, Item No. 01521. Unit has a 40 lb pot.
Rated maximum 200 lb/hr @ 25 cfm.
8. MDAQMD Permit Number A004723; Portable Abrasive Blasting System, consisting of:
Clemco model No. 5964, serial No. 5964/35C, rated at maximum 12 lb/min sand use.
9. MDAQMD Permit Number B004054; Odorization System:
Odorization System injects odorant [tetrahydrothiophene] into the two natural gas transmission lines and includes the following equipment; one (1) 3000 gallon aboveground odorant storage tank, two (2) 120 gallon aboveground odorant skid tanks and one (1) natural gas-fired flare rated at 1.6 MM Btu/hr.
10. MDAQMD Authority to Construct Number T005141; 1000 Gallon Pipeline Liquids Storage Tank, consisting of:
A 1000 gallon tank for storing pipeline liquids separated from the gas-liquid separator on the transmission line.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if

such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.

[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]

9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
10. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - a. While any unit is fired on Public Utilities Commission grade natural gas, Periodic Monitoring is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount and suppliers certification information.
 - b. While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit. A visible emissions inspection is required after every one (1) million gallons of fuel is combusted. Fuel consumption is to be counted cumulatively over a 5 year period. If a visible emissions inspection documents opacity, a Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel within the 3 working day time frame.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
13. Owner/Operator shall not burn any PUC quality natural gas fuel at this facility containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any

diesel fuel having a sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, State or Federal personnel at any time. Compliance with Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
16. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
17. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂) greater than or equal to 500 ppm by volume.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

18. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.

(a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

19. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

(a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.

[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

20. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.

- (e) If the breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 02/24/95]

22. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

23. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above

- 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
- (d) Cold Solvent Degreasers - Cover Requirements:
- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
- (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
 - (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
 - (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
 - (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either

- pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
 - (3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
 - (4) Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

24. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

<u>Table of Standards</u>	
<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

25. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

26. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	gr/L	(lb/gal)	gr/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)

Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

27. The provisions of Part II, Condition A.25 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Conditions A.25 and A.26 shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
 - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.
 - (e) Magnetic data storage disk coatings.
 - (f) Solid-film lubricants.
 - (g) Adhesives.
 - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

29. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

30. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:

- (a) (i) VOC-containing materials for surface preparation shall not have a VOC content in

- excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
 - (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
 - (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
 - (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
 - (c) Owner/Operator shall store fresh or spent solvent in closed containers.
 - (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
- 32. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
- 33. Owner/Operator subject to Part II, Section A, conditions A.25 through A.38 shall comply with the following requirements:
 - (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
 - (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
 - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
 - (d) Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
- 34. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

35. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
36. A violation of the limits contained in Part II, Conditions A.25 through A.38 as determined by any one of Part II, Conditions 37 and 38 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
37. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.38, as required by Rule 1114:
- (a) Samples of coatings and solvent as specified in Part II, Conditions A.26 through A.38 shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
 - (b) Emissions of volatile organic compounds as specified in Part II, Conditions A.26 through A.38 shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
 - (c) Transfer efficiency as required by Part II, Conditions A.26 through A.38 shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
 - (d) Overall abatement efficiency is the product of capture efficiency as determined by procedures described in 55 FR 26865, 29 June, 1990, and abatement device efficiency.
- [Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.38, as required by Rule 1115:
- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
 - (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
 - (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
 - (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
 - (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
 - (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
 - (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
 - (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
 - (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
 - (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
 - (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements, see Part II and Part III conditions*)

39. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, State, or Federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
 - (b) Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, State or Federal personnel upon

request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

- (b) The HHV for diesel fuels burned shall be determined from daily samples and reported as a monthly average for each month; the sampling and analysis procedures of Appendix D to 40 CFR 75 may be used.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. The Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. The Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. The Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. The Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. If the Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then the Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]
6. The Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1).
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1)]
7. The Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.

[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]

8. The Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD, shall contemporaneously submit such Compliance Certification(s) to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]
9. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]
10. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]
11. Owner/Operator shall submit *Compliance Certifications* to the Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the permit anniversary date.
[Rule 1203 (F)(1)]
12. If any Topock Compressor Station facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5 year permit term, then the Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, the Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
 - (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall

include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

13. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

- A. CONDITIONS APPLICABLE TO TEN 3500 BHP NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE DRIVERS; MDAQMD PERMIT # B000313:
1. Ten (10) Natural Gas Fueled Piston Type Internal Combustion (IC) Engines Driving Natural Gas Compressors, consisting of:
- a. Cooper-Bessemer model GMWTC, Serial No. 42582, rated at 3500 bhp and drives compressor K1.
 - b. Cooper-Bessemer model GMWTC, Serial No. 42583, rated at 3500 bhp and drives compressor K2.
 - c. Cooper-Bessemer model GMWTC, Serial No. 42584, rated at 3500 bhp and drives compressor K3.
 - d. Cooper-Bessemer model GMWTC, Serial No. 42585, rated at 3500 bhp and drives compressor K4.
 - e. Cooper-Bessemer model GMWTC, Serial No. 42586, rated at 3500 bhp and drives compressor K5.
 - f. Cooper-Bessemer model GMWTC, Serial No. 42587, rated at 3500 bhp and drives compressor K6.
 - g. Cooper-Bessemer model GMWTC, Serial No. 42536, rated at 3500 bhp and drives compressor K7.
 - h. Cooper-Bessemer model GMWTC, Serial No. 43130, rated at 3500 bhp and drives compressor K8.
 - i. Cooper-Bessemer model GMWTC, Serial No. 43131, rated at 3500 bhp and drives compressor K9.
 - j. Cooper-Bessemer model GMWC, Serial No. 44043, rated at 3500 bhp and drives compressor K10.
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. These engines shall be fired on PUC quality natural gas only.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 6. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- B. CONDITIONS APPLICABLE TO FOUR 490 BHP NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE - ELECTRICAL POWER GENERATORS; MDAQMD PERMIT # B003302:
1. Four (4) Natural Gas Fueled Piston Type IC Engine Generators; Unit #'s P-1, P-2, P-3, P-4, consisting of:
Four Ingersol-Rand 8 cylinder IC engines which burn approximately 4241 scf/hr of natural gas at maximum fuel flow rate:

<u>Capacity</u>	<u>Equipment Description</u>
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1061951 (P-1)
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1071951 (P-2)
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1081951 (P-3)
490 bhp;	Ingersol-Rand, Model PSVG IC engine, Serial No. 8APS1411953 (P-4)
<hr/>	
1960 bhp total	

2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. This IC engine shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. These engines shall be fired on PUC quality natural gas only.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 6. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements; see Part II and Part III conditions*)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- C. CONDITIONS APPLICABLE TO 755 BHP DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE ELECTRICAL POWER GENERATOR; MDAQMD PERMIT # B002660, consisting of:
1. 755 bhp Caterpillar Model D 348, Serial No. 36J2291, Turbocharged V-12, diesel fuel consumption of 271.8 lb/hr and maximum heat input rate of 5.451 MM Btu/hr. This engine generator is used to supplement base loaded equipment.

2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator shall operate and maintain this equipment in strict accord with manufacturer's specification and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator shall log all starting and stopping times of all uses of this unit, to the nearest 15 minutes; the date; and the delivery date of fuel, including the following:
 - a. Inspections, maintenance and repairs;
 - b. Dates and total hours of use to the nearest 15 minutes; and
 - c. Fuel use (in gal or lb) on a quarterly basis.*[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements; see Part II and Part III conditions)*
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Owner/Operator is limited to using CARB certified diesel fuel whose sulfur concentration does not exceed 0.05% on a weight per weight basis. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or ASTM method D 2880-71, or equivalent.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator may use the supplier's sulfur analytical data, but at the discretion of the MDAQMD, a sample of the fuel shall be taken and submitted for analysis by an independent laboratory/testing firm. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or ASTM method D 2880-71, or equivalent. The sulfur content shall be logged.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request. These Records shall include a copy of the fuel suppliers certification for each diesel fuel

delivery substantiating compliance with the 0.05% by weight fuel sulfur limit.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

D. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail),
MDAQMD PERMIT NUMBER N002572, consisting of:

1. a. Tanks - Number of Tanks: 3

	Tank Number:	1	2	3
1.	Material Stored:	Diesel	(87)Unleaded	Diesel
2.	Volume Gallons:	1,000	2,000	2,000
3.	Aboveground (A):	A	A	A
- b. Dispensing Equipment:
 1. Gasoline Dispensing Nozzles (Number): 1
 2. Diesel Dispensing Nozzles (Number): 2
 3. Phase II Vapor Recovery System (Type): Balance
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator shall not sale or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.
[Rule 432 - Gasoline Specifications; Version in SIP = Current, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011]
4. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
 - (a) Tank is equipped with a permanent submerged fill pipe, and
 - (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been

- certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
- (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part III, Section D, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
 - (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.
 - (e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and
 - (f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:
 - (i) All fill tubes are equipped with vapor-tight covers, including gaskets; and
 - (ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and
 - (iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and
 - (iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and
 - (v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

5. Owner/Operator shall not transfer, or permit the transfer, or provide equipment for the transfer of gasoline from the gasoline storage tank into any motor vehicle tank of greater than 19 liters (5 gallons) capacity unless:
- (a) The dispensing unit used to transfer the gasoline from the gasoline tank to the motor vehicle fuel tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board as capable of recovering 95% of the displaced gasoline vapors; and
 - (b) The vapor recovery system is operating in accordance with the manufacturer's specifications; and
 - (c) Equipment is operated and maintained with none of the following defects, pursuant to the definitions in California Administrative Code Section 94006, Subchapter 8, Chapter 1, Part III, of Title 17:
 - (i) Torn or cut boots;
 - (ii) Torn or cut face seals or face cones;
 - (iii) Loose or broken retractors;

- (iv) Boots clamped or otherwise held in an open position;
- (v) Leaking nozzles;
- (vi) Loose, missing, or disconnected nozzle components, including but not limited to boots, face seals, face cones, check valve wires, diaphragm covers and latching devices;
- (vii) Defective shutoff mechanisms;
- (viii) Loose, missing, or disconnected vapor fuel hoses and associated components including but not limited to flow restrictors, swivels and anti-recirculation valves;
- (ix) Crimped, cut, severed, or otherwise damaged vapor or fuel hoses;
- (x) Missing, turned off, or otherwise not operating assist type vapor recovery systems, or any components of such systems;
- (xi) Improper or non-"CARB certified" equipment or components;
- (xii) Inoperative, severely malfunctioning or missing vacuum producing device;
- (xiii) Inoperative, loose, missing or disconnected pressure/vacuum relief valves, vapor check valves or dry breaks.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

6. Vapor processing or vapor recovery system used by Owner/Operator shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
7. Owner/Operator shall not install any new or rebuilt vapor recovery equipment unless the components and parts clearly identify by markings the certified manufacturing company and/or certified rebuilding company.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
8. Vapor recovery system shall at all times be maintained in accordance with the manufacturer's specifications and the State's certification.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
9. When problems or defects are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, other than a breakdown of the central vapor incineration or processing unit, the Owner/Operator shall at the end of the cycle, as defined in Rule 461, remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as necessary to remove the problem or defect.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
10. Owner/Operator shall not perform or permit the "pump-out" (bulk transfer) of gasoline from the

gasoline storage tank unless such bulk transfer is performed using a vapor recovery system capable of returning the displaced vapors from the delivery vessel or other container being filled back to the gasoline storage tank. This vapor recovery is not required where the container is to be removed or filled with water for testing. For visual inspections, the requirements of Part III, Section D, condition D.3.d. are applicable.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

11. Owner/Operator shall not store, or allow the storage of, gasoline in the gasoline storage tank unless the tank is equipped with a permanent submerged fill pipe and a certified vapor recovery system.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
12. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District-specified warning sign.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
13. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 as listed in Part III, Section D conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, State or Federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
14. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
15. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section D conditions:
 - (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part III, Section D,

condition D.2.(c) shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.

- (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
- (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
- (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, *"Certification of Vapor Recovery Systems - Bulk Plants"*.
- (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, *"Certification of Vapor Recovery Systems - Gasoline Terminals"*.
- (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in *"Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations"*.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)

16. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by performing annual EPA Method 21 tests and monthly visual inspections, including maintaining equipment as specified in the applicable ARB Executive Order certifying the system and conditions listed in Part III, Section D conditions. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)

17. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained on-site by the Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

18. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 listed in Part III, Section D conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, State or Federal personnel upon request.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)

19. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
20. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section D conditions:
 - (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part II, Condition G.2.(c) shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.
 - (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
 - (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
 - (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*".
 - (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*".
 - (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*".

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
21. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by performing annual EPA Method 21 tests and monthly visual inspections, including maintaining equipment as specified in the applicable ARB Executive Order certifying the system and conditions listed in Part III, Section D conditions. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing

VOCs or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR

52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

22. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District specified warning sign.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

23. Owner/Operator shall post the following toll-free telephone number: 1-800-635-4617.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR

52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

24. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the MDAQMD.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR

52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

E. CONDITIONS APPLICABLE TO 3000 GALLON WASTE OIL STORAGE TANK;
MDAQMD PERMIT # T002944, consisting of:

1. 3,000 gallon cylindrical tank 8 ft high and 8 ft in diameter with a 24 inch diameter top entry manway, a 16 inch by 30 inch hinged top manway and six 4 inch flange connections (inlet, outlet, drain, overflow, vent and level switch). Serves existing oil/water separator.
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This tank shall only be used for storing waste oil which comes from existing oily water separator.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. All information provided with the application is incorporated as conditions to construct and operate

this equipment and this equipment shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

F. CONDITIONS APPLICABLE TO 7100 GALLON WASTE OIL STORAGE TANK;
MDAQMD PERMIT # T003303, consisting of:

1. Welded steel 7,100 gallon cylindrical fixed roof tank 8 ft in diameter and 20 ft high. Used for the storage of IC Engine used crankcase oil.
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This tank is limited to storing waste oil generated on-site by Pacific Gas & Electric.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. All flanges, seals, pumps and other appurtenant equipment shall be installed and maintained to prevent the loss of volatile fractions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Owner/Operator shall log all shipments of oil to other parties and the hauler of said oil. Additionally, this log shall contain the mass (or volume) and the date of the oil shipment.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

G. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM; MDAQMD
PERMIT # A004612, consisting of:

1. Central Pneumatic portable unit, Model No. 40, Item No. 01521. Unit has a 40 lb pot. Rated maximum 200 lb/hr @ 25 cfm.
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. This abrasive blast system shall only use steel and/or iron shot and/or grit; and/or abrasives that have been certified by the California Air Resources Board for dry unconfined usage (Cal. Code of Reg., Title 17, Section 92520).

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The abrasive blast system shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

H. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM; MDAQMD PERMIT # A004723, consisting of:

1. Clemco model No. 5964, serial No. 5964/35C, rated at maximum 12 lb/min sand use.

2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. This abrasive blast system shall only use steel and/or iron shot and/or grit; and/or abrasives that have been certified by the California Air Resources Board for dry unconfined usage (Cal. Code of Reg., Title 17, Section 92520).

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. The abrasive blast system shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

I. CONDITIONS APPLICABLE TO ODERIZATION SYSTEM; MDAQMD PERMIT # B004054, consisting of:

1. Odorization System injects odorant [tetrahydrothiophene] into the two natural gas transmission lines and includes the following equipment; one (1) 3000 gallon aboveground odorant storage tank, two (2) 120 gallon aboveground odorant skid tanks and one (1) natural gas-fired flare rated at 1.6 MM Btu/hr.
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator shall continuously monitor this system for leaks and comply with District Rule 430, Breakdown Provisions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]
5. Owner/Operator shall operate/maintain this system in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- J. CONDITIONS APPLICABLE TO 1000 GALLON PIPELINE LIQUIDS STORAGE TANK;
MDAQMD PERMIT # T005141, consisting of:
 1. A 1000 gallon tank for storing pipeline liquids separated from the gas-liquid separator on the transmission line.
 2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. This tank shall be used solely for storing pipeline liquids derived from the liquid-gas separator on the gas transmission line.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. Operation of this equipment shall be conducted in compliance with data and specifications submitted

with the original District permit application.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. Owner/Operator shall operate/maintain this system in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

PART IV

STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. The Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. The Owner/Operator shall furnish to District, State or Federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit

shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. The Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).
[40 CFR 70.6(f)(1); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in

this Federal Operating Permit.

[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour

hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.
2. For the purposes of MDAQMD Rule 1115 - *Metal Parts and Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.
3. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.
4. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.
5. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 432 shall apply.

6. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.
7. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.